QUICK SETUP **GUIDE**

*Easy**Net**™ Series*

NVR

QUICK SETUP GUIDE – OVERVIEW

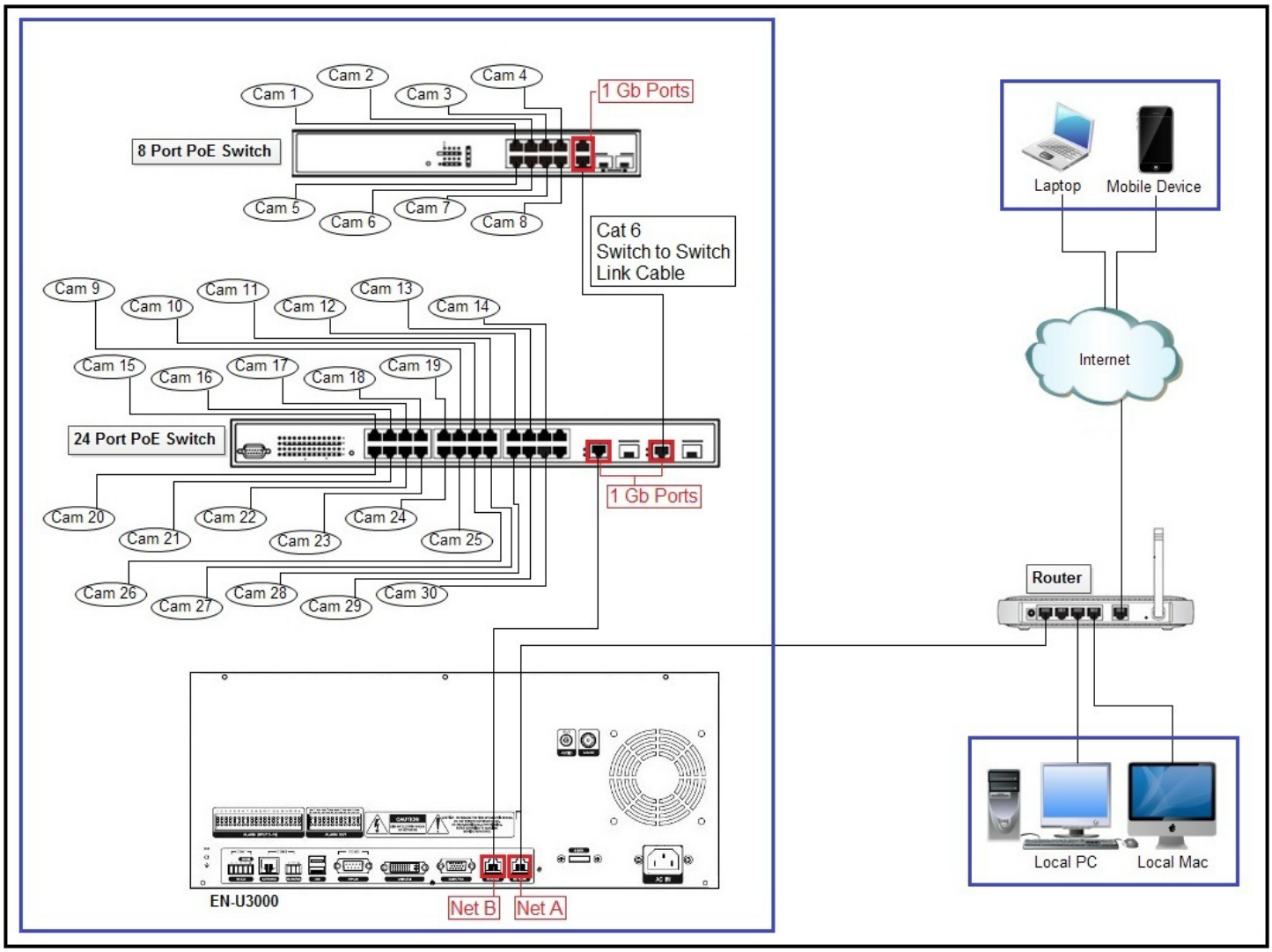
This manual is intended for initial setup only. The user should read the entire instructions manual before using this product. The user instructions manual can be downloaded via NUVICO website. www.nuvico.com

TABLE OF CONTENTS

QUICK SETUP GUIDE – OVERVIEW 1
TABLE OF CONTENTS 1
INSTALLATION DIAGRAM 2
EN-U3000 SAMPLE INSTALLATION DIAGRAM 2
HOW TO MOUNT THE HDD TO THE NVR 3
GETTING STARTED 6
HOW TO START THE NVR 6
HOW TO LOG IN TO THE NVR 6
MONITOR SETUP 9
CONFIGURE NVR'S MONITOR OUTPUT TO 1920 x 1080 9
IF YOU ARE USING A BNC MONITOR 11
HOW TO DISABLE MAIN 2 BNC OUTPUT 12
HOW TO INITIALIZE THE HDD FOR RECORDING 15
HOW TO SET DATE/TIME 19
CAMERA SETUP 21
RECORD SETUP 25
NETWORK SETUP 29
VIDEO SEARCH & PLAYBACK 33
HOW TO COPY VIDEOS INTO CD/DVD/USB 38
HOW TO VIEW COPIED VIDEO 40

INSTALLATION DIAGRAM

EN-U3000 SAMPLE INSTALLATION DIAGRAM



1. You will notice that the diagram illustrates using 2 PoE Network Switches. 8 Port PoE Switch and 24 Port PoE Switch. That's because the diagram is illustrating 30 EasyNet HD cameras installation since EN-U3000 is a 30-channel NVR. It will be difficult to source 48 Port PoE switch that outputs true 15.4 watts per port. Therefore, at this time, it is recommended that you use 8 Port PoE Switch & 24 Port PoE Switch that truly outputs 15.4 watts per port.
2. The Make and Model of the PoE Network Switch illustrated in the diagram is:
    a. 8 Port: Make: ifs Model: GE-DS-82-POE
    b. 24 Port: Make: ifs Model: GE-DSSG-244-POE
3. These network switches have dedicated 2 extra 1 Gbps port that are used for 2 purposes.
    - To link the 2 network switches together using faster 1 Gbps port instead of standard 100Mbps PoE ports.
    - To link up to the EN-U3000 Net B network port that is configured for private camera network to guarantee the reliability and the performance.

Important Note: Make sure that the Net B is connected to the dedicated 1 Gbps on the switch and Net A is connected to the standard internet router.

HOW TO MOUNT THE HDD TO THE NVR

1. When you unpack the NVR box, locate the removable HDD tray, shown below.

2. The removable HDD tray, shown below needs to be inserted into the empty slot of the NVR.

HOW TO MOUNT THE HDD TO THE NVR

3. With the latch pointing upwards, slide the tray into the slot.

4. Lock the tray in the slot by applying downward pressure to the latch.

HOW TO MOUNT THE HDD TO THE NVR

5. Finally, use the supplied tray key to lock the HDD tray into the chasis to prevent unauthorized removal.

GETTING STARTED

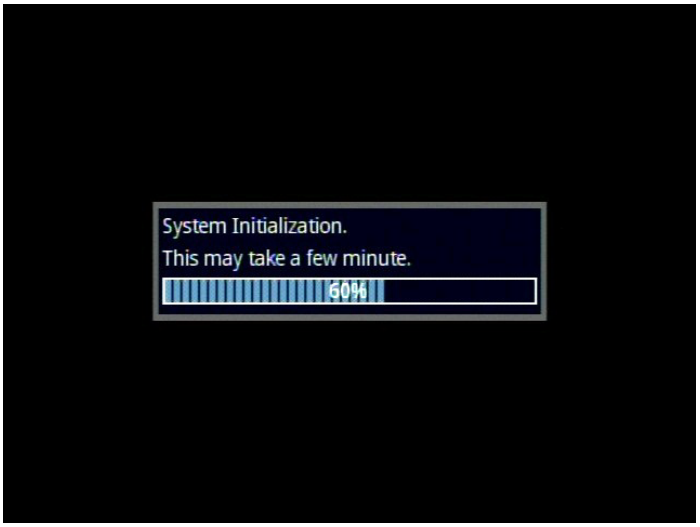
IMPORTANT NOTE: Prior to staring the NVR, make sure that the PoE Network Switches are powered on, initialized, and are providing power to the EasyNet HD Cameras.

HOW TO START THE NVR

1. Connect the supplied USB mouse into any available USB port on the front NVR panel.
2. Connect the power cable from the power source outlet (preferably a UPS) to the back of the NVR.

Turn on and start the NVR.

- Using Front Panel/Remote: Press the **POWER** button for 3 seconds.
- Using Mouse: Not supported

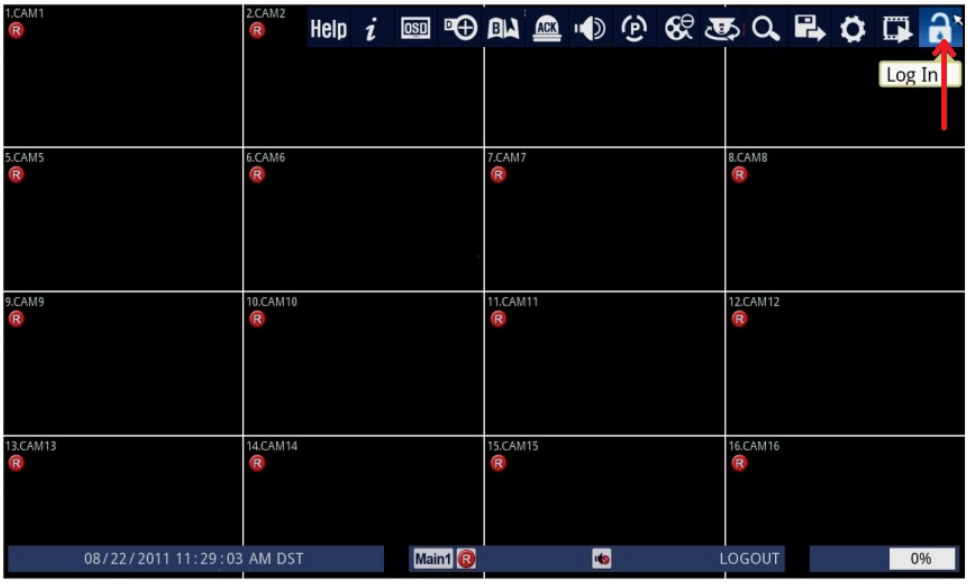


HOW TO LOG IN TO THE NVR

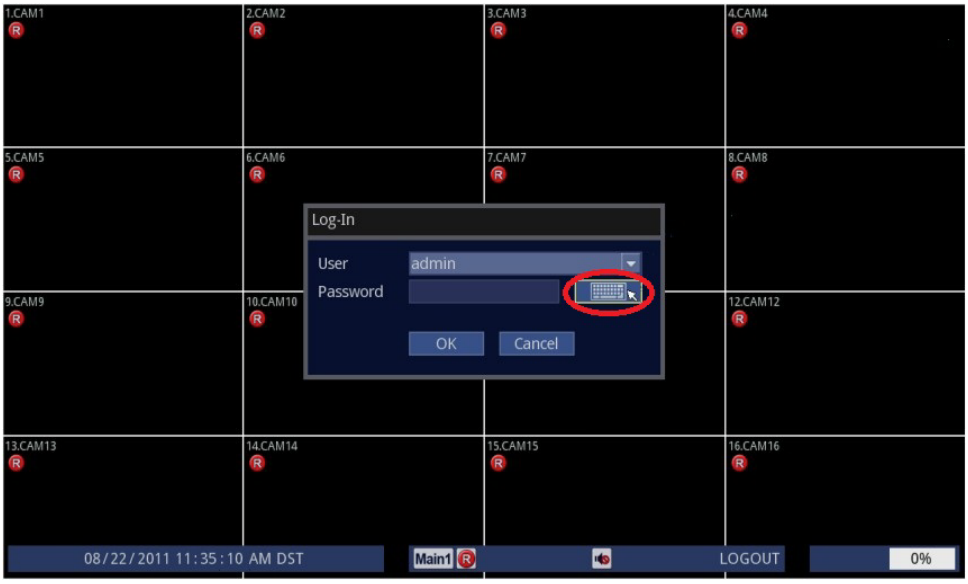
By default, when you turn on the NVR, the NVR automatically starts with “admin” account logged in. This makes it convenient to the user so that they can start using the NVR immediately.

However, on instances where user logs out of the NVR, or when **LOCK** button is pressed, user would manually need to log in to the NVR. The instructions below illustrate how this can be achieved.

1. Follow the instructions below.
   - Using Mouse: Click on the [Log In] icon.



2. You need to input admin password, which is [0 0 0 0 0 0].
   - Using Mouse: Click on the [Keyboard] icon.

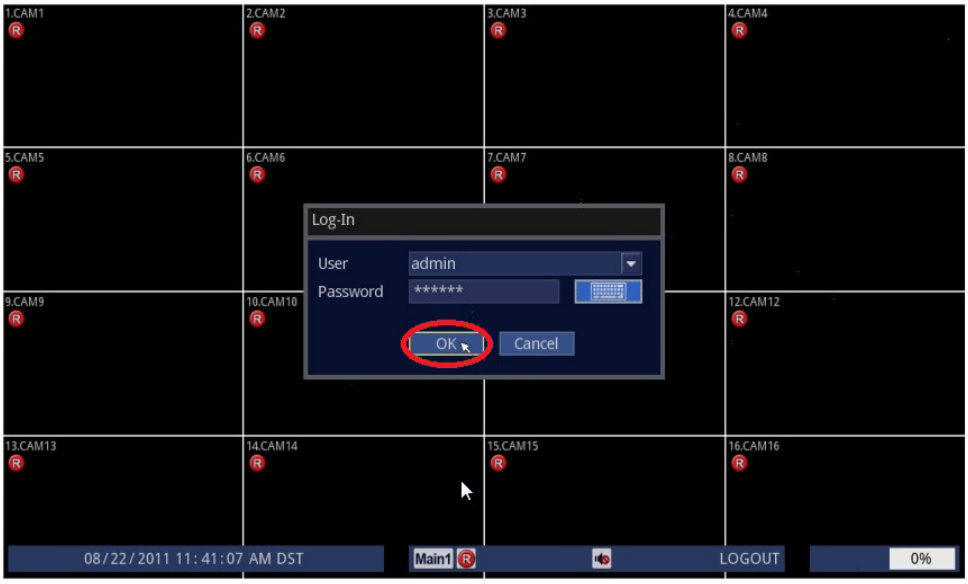


3. On screen keyboard should now appear. The default admin password for the NVR is [0 0 0 0 0 0].

- Using Mouse: Highlight [0] and click six times, then, highlight [↵] and click.

4. Lastly, when you select [OK] you are now logged on as admin.

- Using Mouse: Highlight [OK] and click.



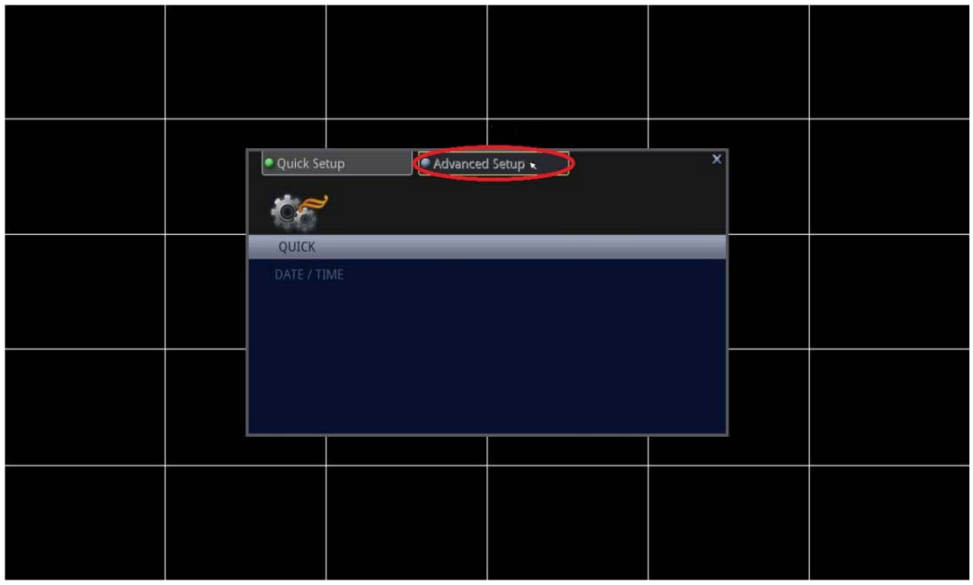
MONITOR SETUP

CONFIGURE NVR'S MONITOR OUTPUT TO 1920 x 1080

To take full advantage of the EasyNet NVR, you want to make sure that you have a 1080p capable monitor. Follow the instructions below.

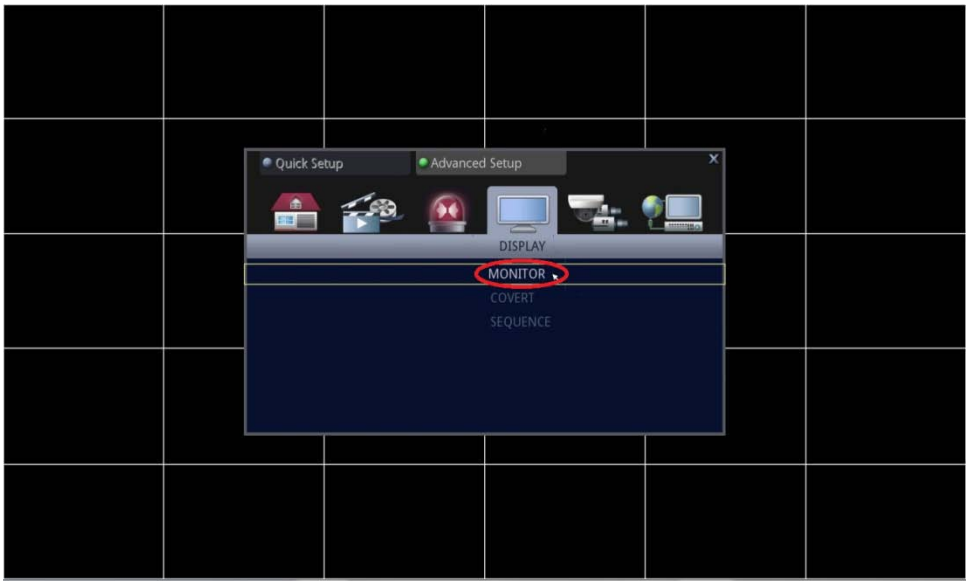
1. Follow the instructions below.
    - Using Mouse: Click on the [Setup Menu] icon.

2. Select Advanced Setup.
    - Using Mouse: Click on the [Advanced Setup].



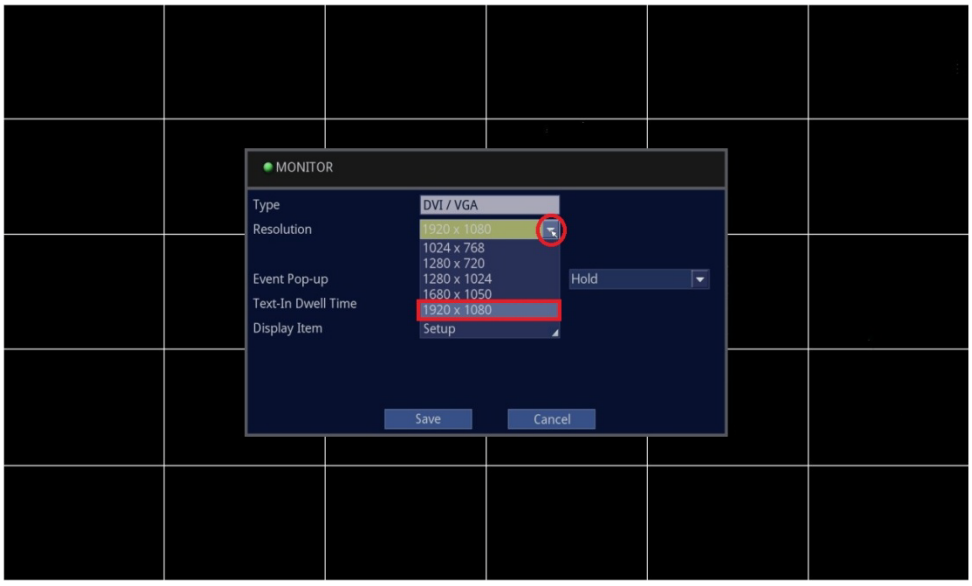
3. Select [MONITOR] under DISPLAY option.

• Using Mouse: Click on the [DISPLAY], then, click on [MONITOR].



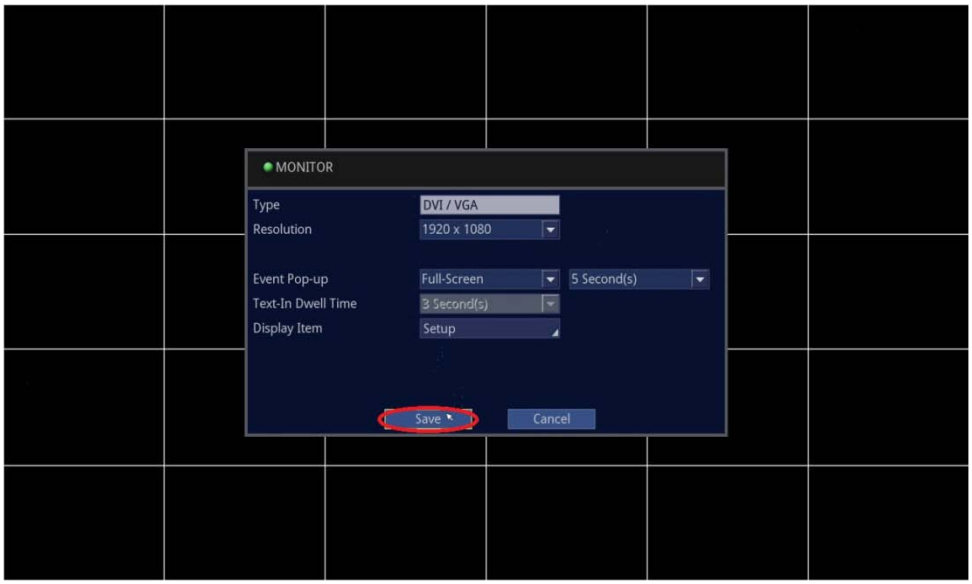
4. Select 1920 x 1080 which is true 1080p resolution.

• Using Mouse: Select and click on the 1920 x 1080.



5. Save the changes.

• Using Mouse: Click on [Save] to save.



6. To exit out to the Live screen.

• Using Mouse: Right click on your mouse twice.

IF YOU ARE USING A BNC MONITOR

IMPORTANT NOTE: If you are ONLY using a BNC type monitor, which is [Main 2] output,

• Using Mouse: On the Main 1, move the mouse cursor towards the right side of the screen and keep moving right until mouse cursor appears on Main 2.

MONITOR SETUP

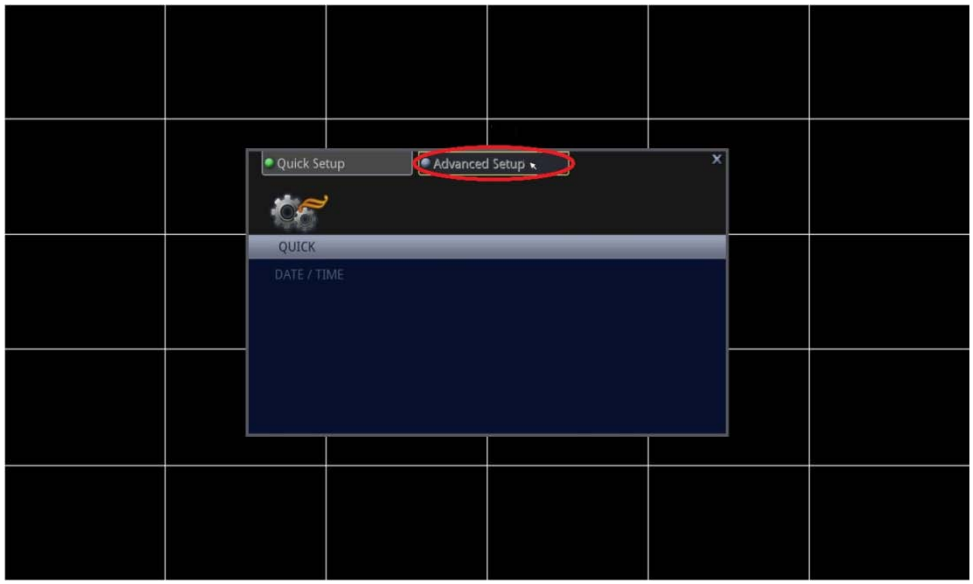
HOW TO DISABLE MAIN 2 BNC OUTPUT

IMPORTANT NOTE: This step is extremely important if you use only 1 monitor such which is connected either HDMI/DVI or VGA.

The factory default setting for 2nd Monitor is turned “On”. However, should you **NOT** want to take advantage of the 2nd Monitor “Main 2”, follow these instructions.

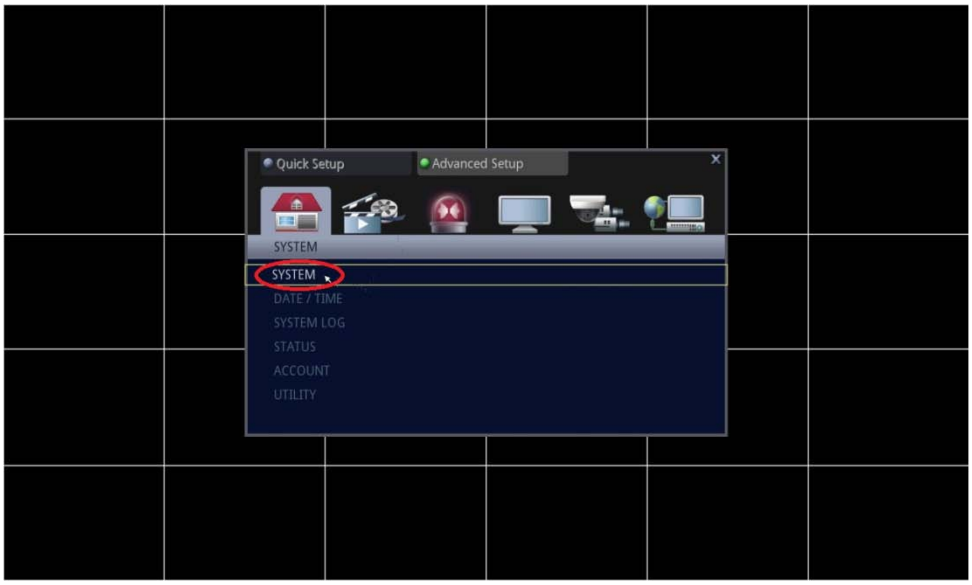
1. Follow the instructions below.
   - Using Mouse: Click on the [Setup Menu] icon.

2. Select Advanced Setup.
   - Using Mouse: Click on the [Advanced Setup].



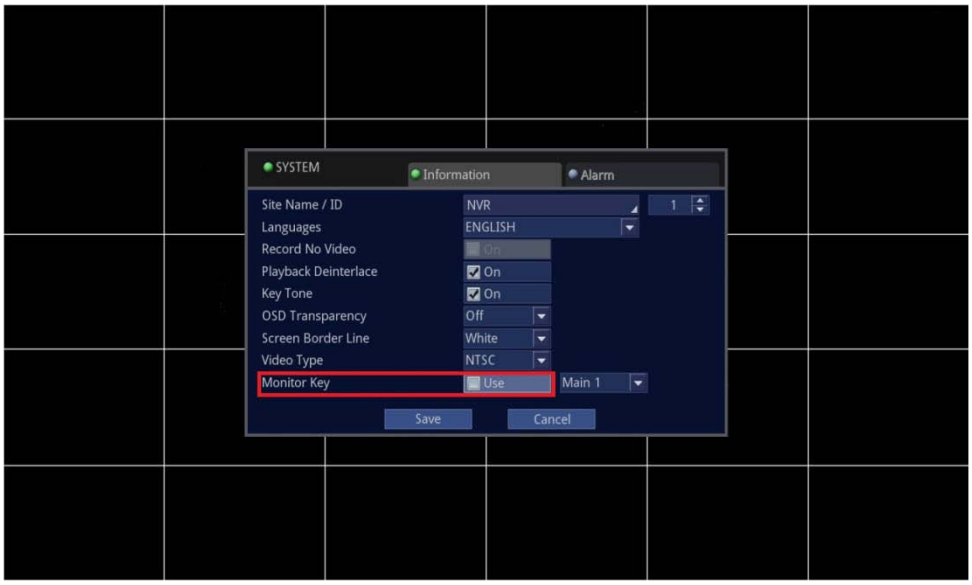
3. Access the sub-menu of SYSTEM.

- Using Mouse: Click on the [SYSTEM].



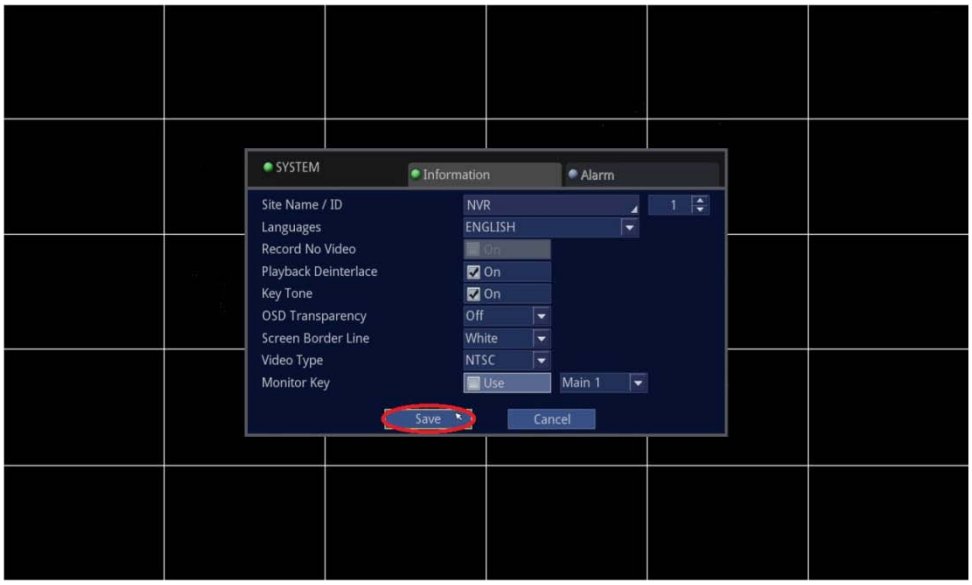
4. Uncheck to turn off [Monitor Key], and define which monitor you would solely like to use. Since HDMI/VGA is Main 1, you want to make sure that Main 1 is displayed next to the [Use] checkbox.

- Using Mouse: Click on the [Monitor Key] to uncheck the selection and define the primary monitor



5. Save the changes.

- Using Mouse: Click on [Save] to save.



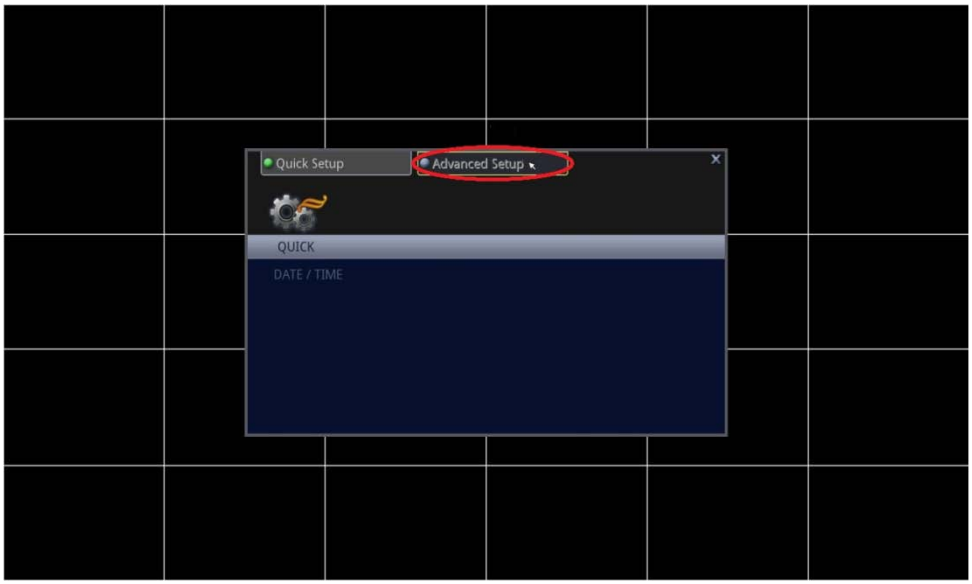
6. To exit out to the Live screen.

- Using Mouse: Right click on your mouse twice.

HOW TO INITIALIZE THE HDD FOR RECORDING

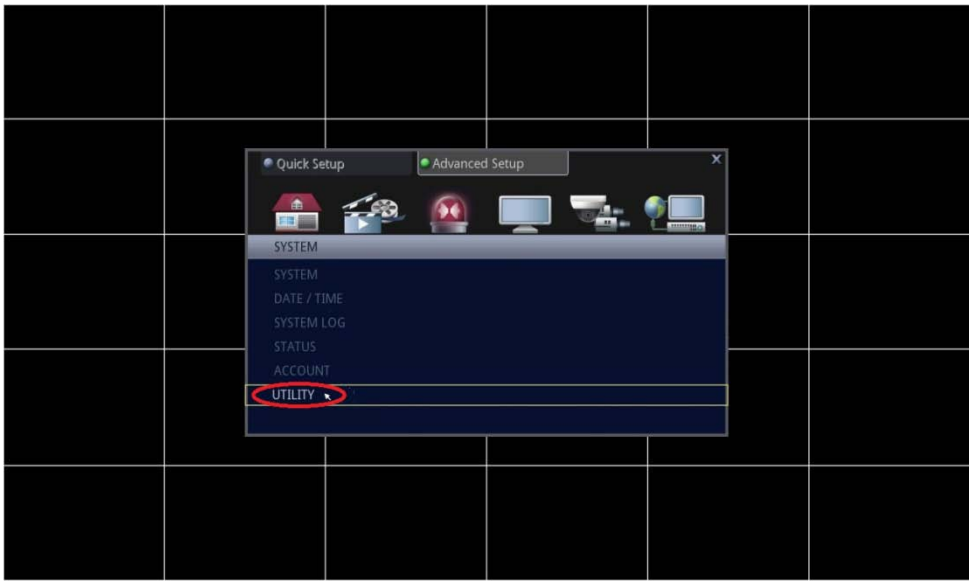
1. Follow the instructions below.
   - Using Mouse: Click on the [Setup Menu] icon.

2. Select Advanced Setup.
   - Using Mouse: Click on the [Advanced Setup].



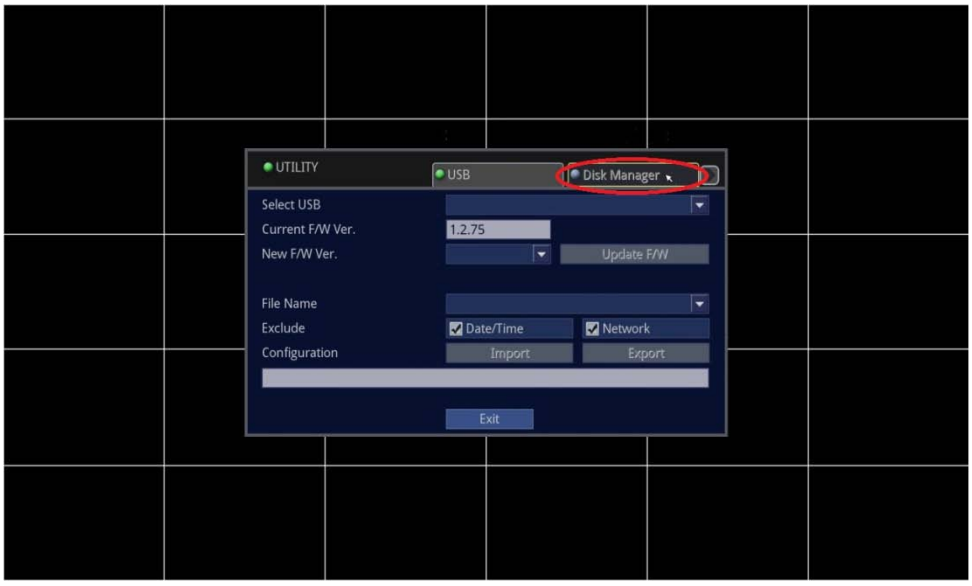
3. Select Utility.

• Using Mouse: Click on the [UTILITY].



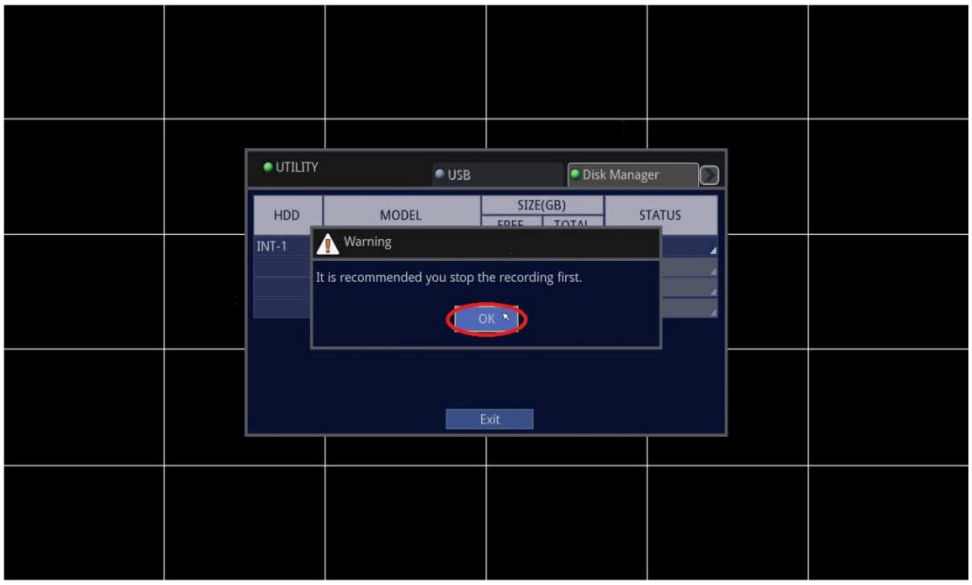
4. Select Disk Manager.

• Using Mouse: Click on the [Disk Manager].

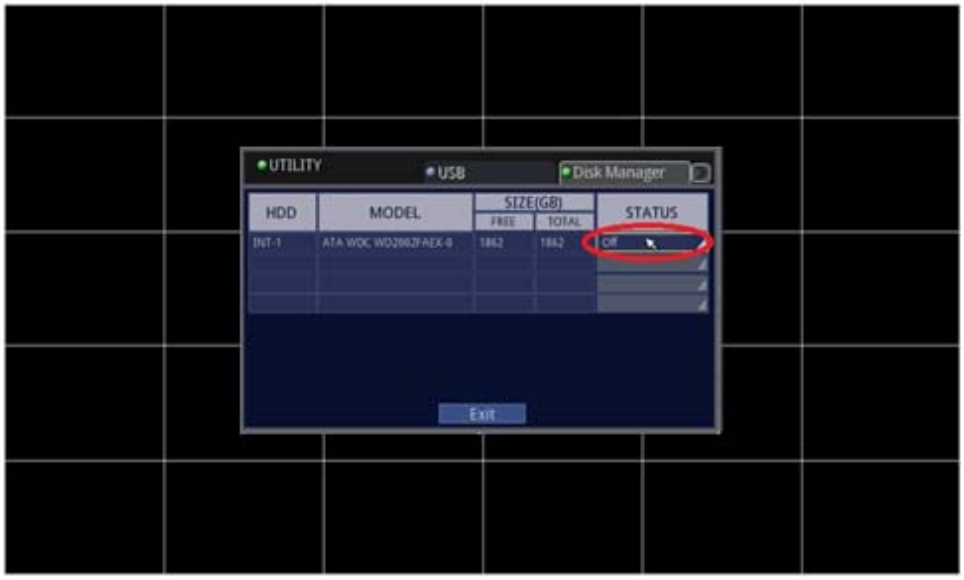


HOW TO INITIALIZE THE HDD FOR RECORDING

6. Disk Manager will alert with caution message.
    - Using Mouse: Click on the [OK].

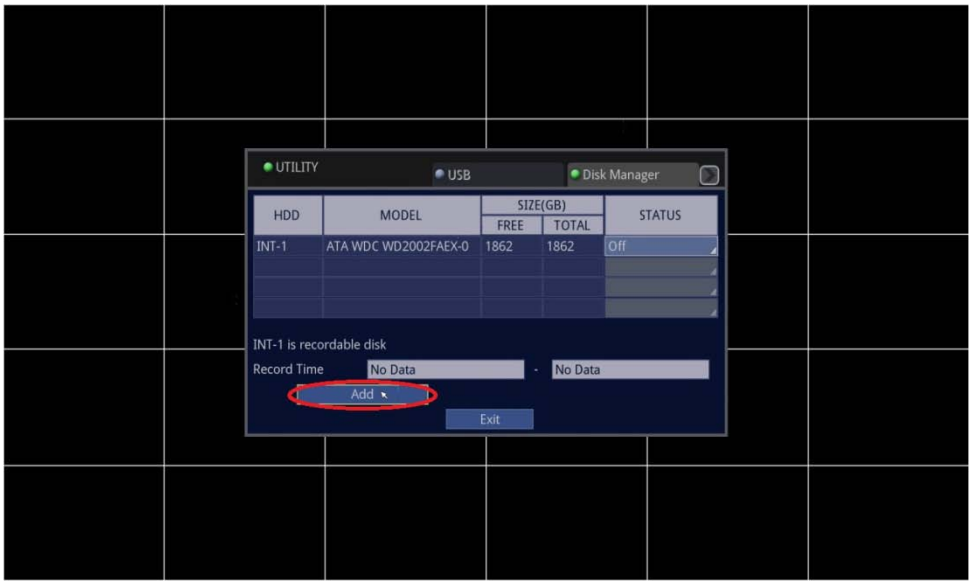


7. Select INT-1 HDD.
    - Using Mouse: Click on the [Off] status of the INT-1.



HOW TO INITIALIZE THE HDD FOR RECORDING

8. Select Add
    - Using Mouse: Click on the [Add].



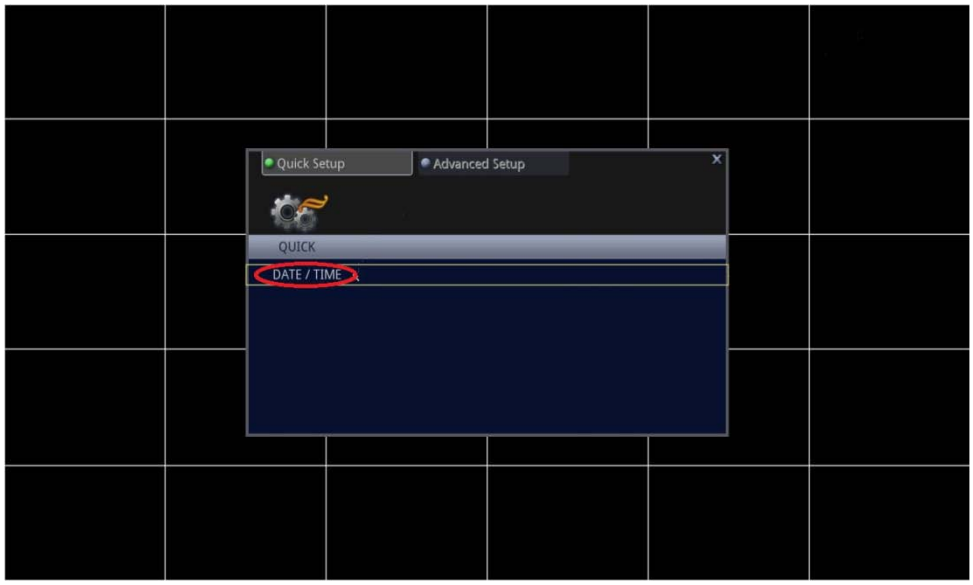
9. You are finished. To exit out to the Live screen.
    - Using Mouse: Right click on your mouse twice.

HOW TO SET DATE/TIME

When the NVR is powered on for the very first time, the time and date may be incorrect. Before any other operation of the NVR is started, it is important to setup the time and the date.

1. Follow the instructions below.
    - Using Mouse: Click on the [Setup Menu] icon.

2. Access DATE / TIME submenu.
    - Using Mouse: Click on the [DATE/TIME] line under the Quick Setup Tab.



HOW TO SET DATE/TIME

3. Change to the desired value.

• Using Mouse: Click on the desired value and modify.

Time Sync: When checked, it will synchronize the NVR's time to its regional NTP (Network Time Server) if an active internet connection is maintained.

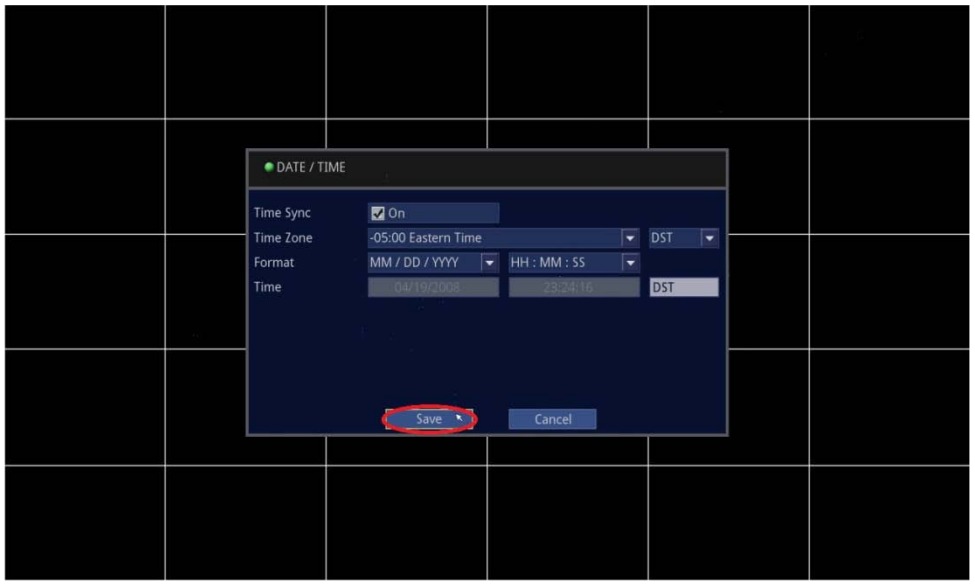
Time Zone: Select appropriate Time Zone for your location.

Format: Allows the format and display of DATE/ Time to be customized.

Time: Set or modify the Date and Time.

4. Save the changes.

• Using Mouse: Click on [Save] to save.



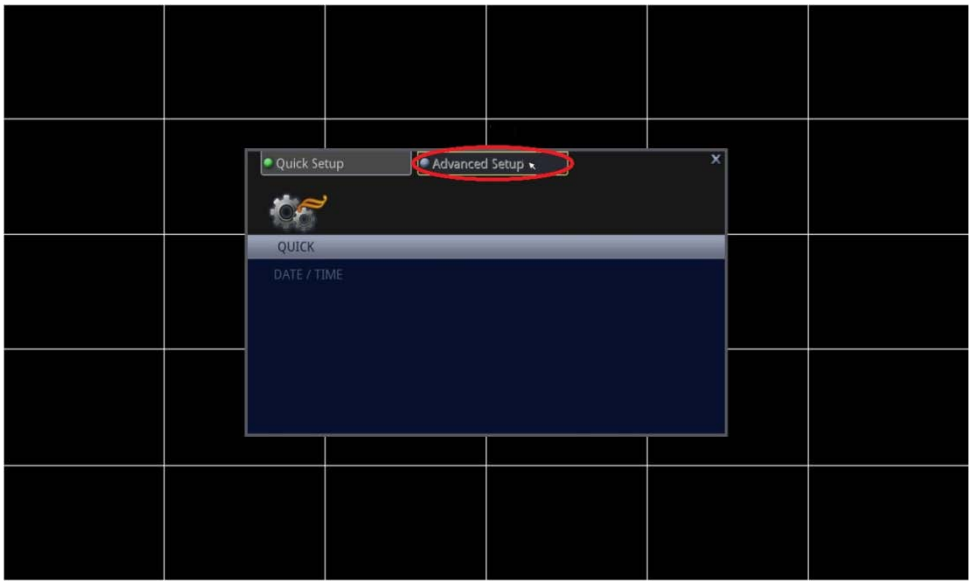
5. To exit out to the Live screen.

• Using Mouse: Right click on your mouse twice.

CAMERA SETUP

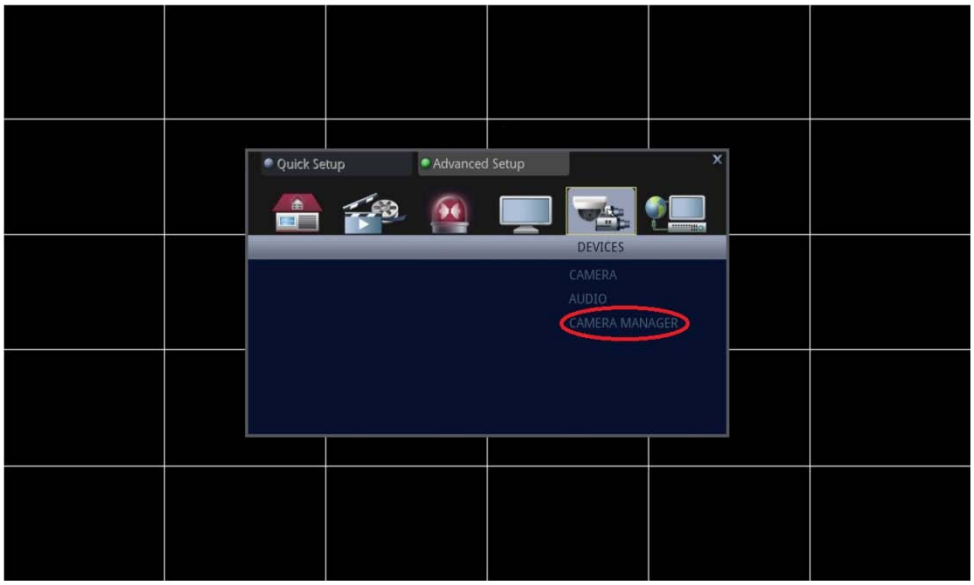
1. Follow the instructions below.
    - Using Mouse: Click on the [Setup Menu] icon.

2. Select Advanced Setup.
    - Using Mouse: Click on the [Advanced Setup].



3. Select Devices.

- Using Mouse: Click on the [CAMERA MANAGER].



4. NVR will automatically discover EasyNet cameras and will display them on this screen. There are no specific orders since the NVR is broadcasting to the network switch for any available EasyNet cameras.

NOTE: If you do not see all of your cameras being displayed on this screen, try one of the following.

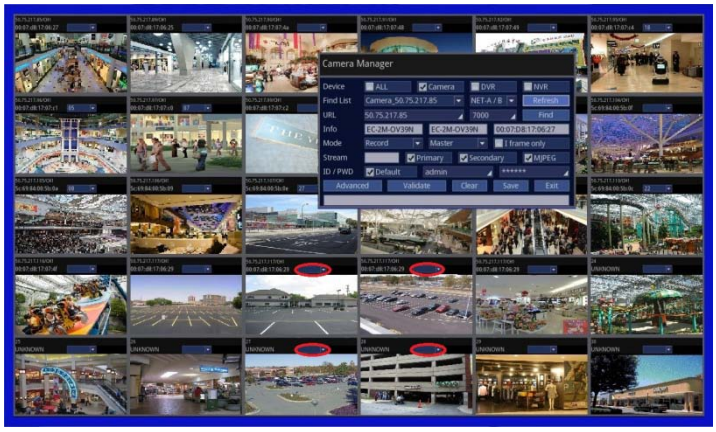
1. Make sure that all of your cameras are connected to the PoE switch.
2. Try pressing on the **Refresh** button and NVR will try to re-discover the EasyNet cameras.

CAMERA SETUP

5. Now, since there were no specific orders of the cameras, you would want to start assigning the channel number to the cameras so that the cameras can be identified with specific channel ID going forward.

- Using Mouse: Click on the channel drop down menu, and choose from 1 through 30.

Tip: It is possible that the Camera Manager Window can block some of the cameras. In this instance, you can simply place the mouse cursor on the top of the Camera Manager window and drag them to the different parts of the screen to expose the hidden cameras.

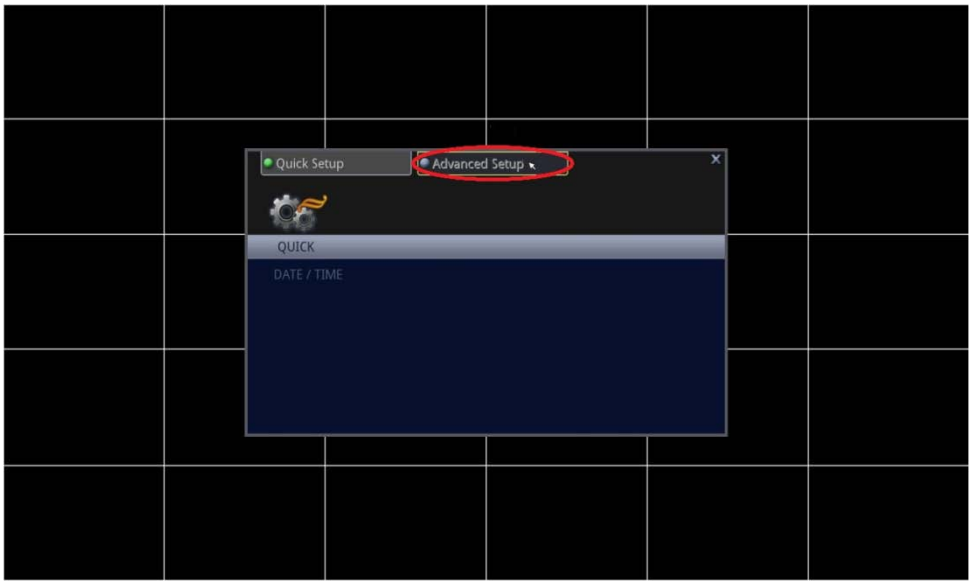


6. If all of your camera's Channel ID is set, click on "Save" to exit out of this menu.

RECORD SETUP

1. Follow the instructions below.
    - Using Mouse: Click on the [Setup Menu] icon.

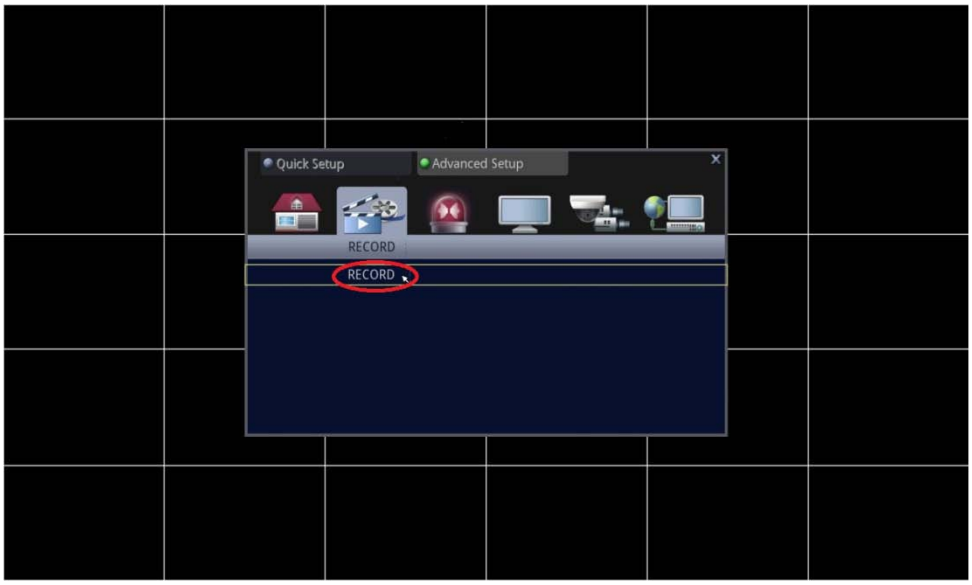
2. Click on the [Advanced Setup]
    - Using Mouse: Click on the [Advanced Setup].



RECORD SETUP

3. Click on the [RECORD]

- Using Mouse: Click on the [RECORD].



4. For CONTINUOUS Record, change to the desired value. CONTINUOUS Record means that the cameras are recording 24/7.

- Using Mouse: Click on the desired value and modify. When finished, click on [Save] to exit out of the menu.

CONTINUOUS: On or Off. Refers to Continuous (24/7) recording for all cameras.

RES: Set the resolution of the recorded videos. There are 2 choices. 4CIF & 2MP. 4CIF refers to 704 x 480 resolution and 2MP is full 1080P resolution of 1920 x 1080.

PPS: 1, 2, 4, 7, 15. Refers to pictures per second for all cameras. 1 being jerky, and 15 being smooth, almost a real-time video.

QLT: Detail or sharpness of the recorded videos. This value cannot be manually defined. The NVR will automatically adjust its QLT depending on the RES and PPS that is configured from the user.

Tip: Should you wish to apply the same value to the rest of the cameras, you can utilize [Apply to All] option. For example, any settings that you've defined on CH 1 can be applied to cameras 2 ~ 30 by checking [Apply to All] option.

RECORD SETUP

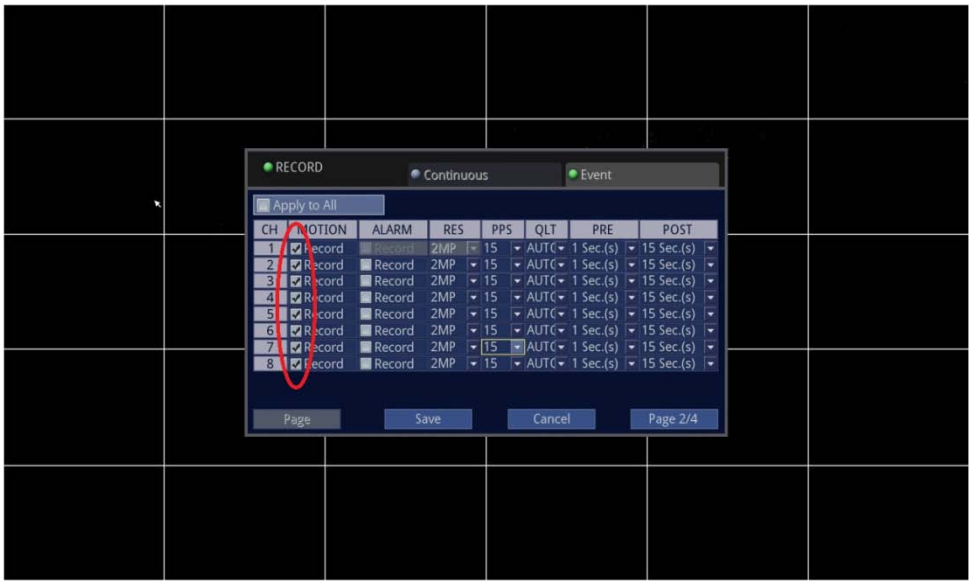
IMPORTANT: Should you wish the NVR to record ONLY when the motion is detected, follow these further instructions.

5. Uncheck CONTINUOUS Record option to all of the cameras that you wish to record ONLY on motion.
    - Using Mouse: Uncheck CONTINOUS Record on desired cameras.

6. Click on the [Event] option.
    - Using Mouse: Click on [Event].

6. Check Record under the MOTION. Again, you can use the [Apply to All] shortcut to apply the setting to all cameras.

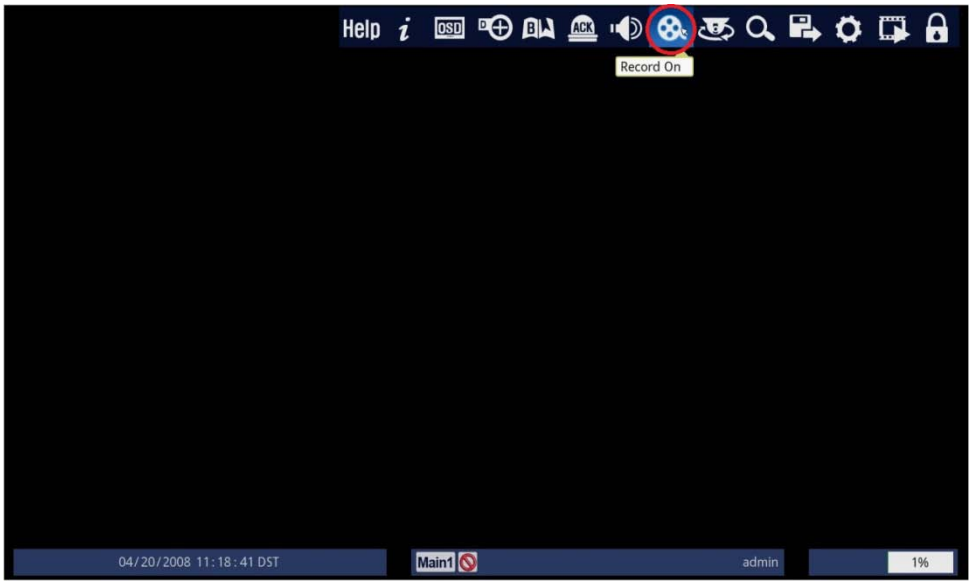
- Using Mouse: Click on [Record] to activate Motion Recording.



7. Save and exit out to the Live screen.

8.. Begin recording the video.

- Using Mouse: Click on the [Record On].

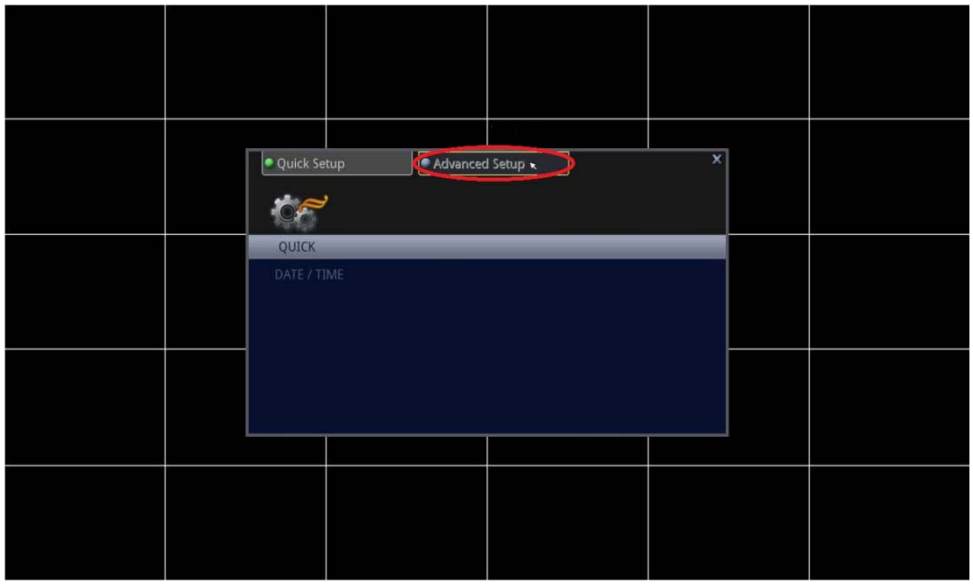


HOW TO SETUP IP ADDRESS UNDER THE NETWORK SETUP

The network menu allows for adjustment to the TCP/IP settings for viewing video across a local area network or through the internet.

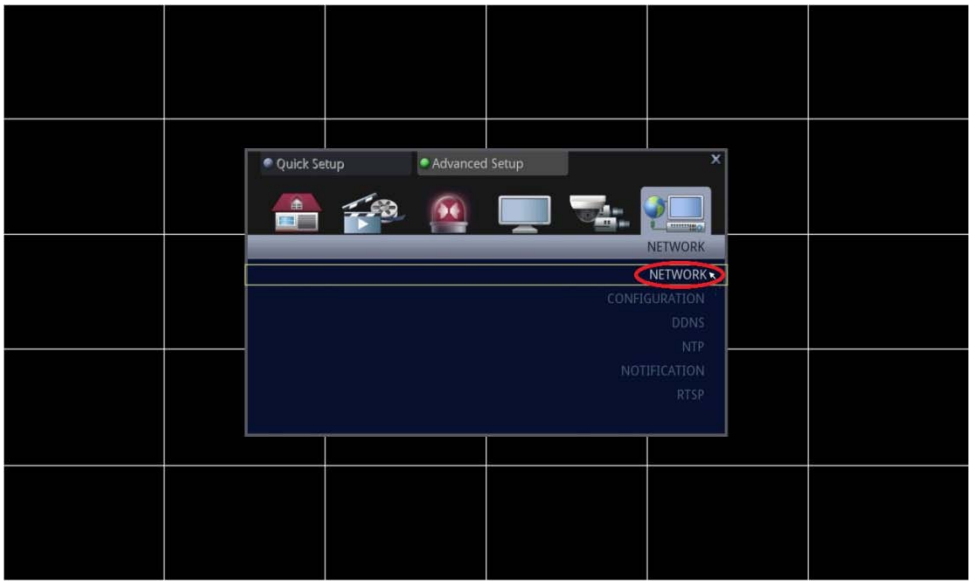
1. Follow the instructions below.
    - Using Mouse: Click on the [Setup Menu] icon.

2. Select Advanced Setup.
    - Using Mouse: Click on the [Advanced Setup].



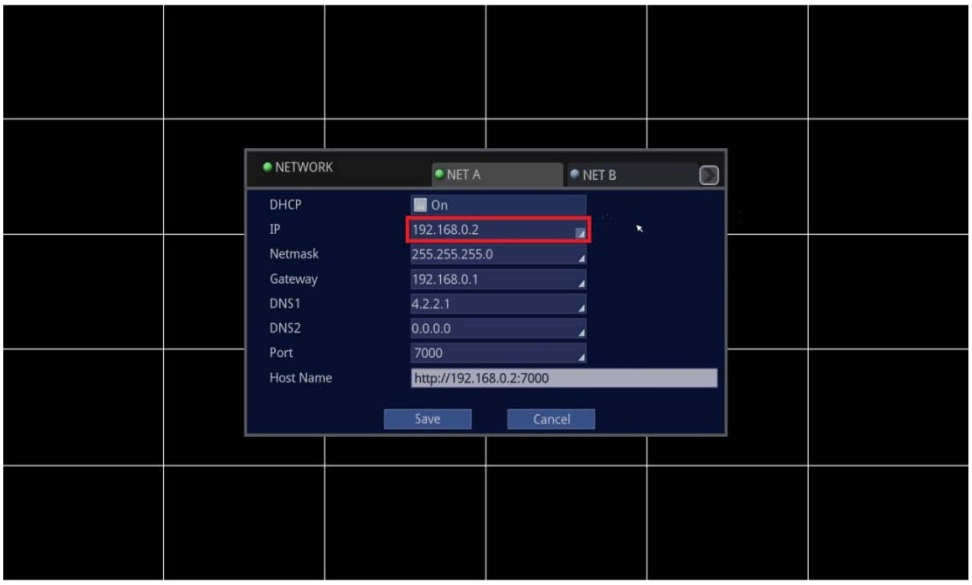
3. Select Network and access the sub-menu of NETWORK.

• Using Mouse: First, click on the [NETWORK] icon, and then click on the [NETWORK] text.



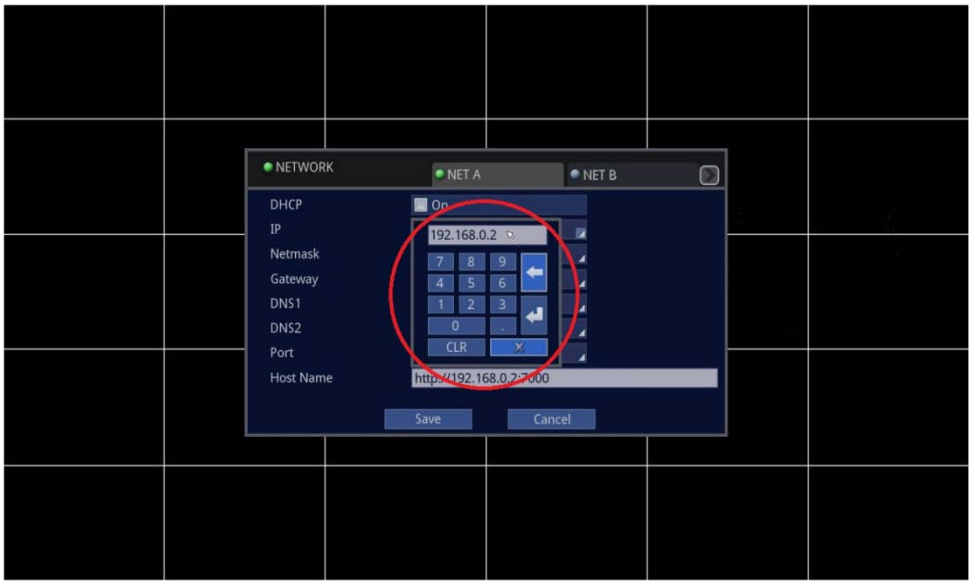
4. Make necessary changes.

Note: To change the parameters of IP, Netmask, Gateway, DNS1, DNS2, Port, follow the instructions below. (These parameters are given by your Internet Service Provider or Network Administrator.)



Highlight and click the IP portion on the screen.

Virtual numeric keypad will pop up on the screen. Use your mouse to click on the desired value such as 0 ~9, Backspace, Enter and Clear button to enter your values..



DHCP: Obtains IP, Netmask, Gateway, DNS1, DNS2 automatically from your internet device or Router. Only enable this when you know that DHCP is supported by your network.
IP: IP Address
Netmask: Subnet Mask
Gateway: Gateway, usually referred to as IP Address of your router on the network.
DNS1: Primary Domain Name Server Address, given by your Internet Service Provider or Network Administrator.
DNS2: Secondary Domain Name Server Address, given by your Internet Service Provider or Network Administrator.
Port: 7000 is the factory default. This port number is customizable and can be changed.
Host Name: This is the unique ID of the NVR that communicates to our DDNS server. Type the address that is shown here to your web browser such as Internet Explorer, Mozilla Firefox, Google Chrome, or Apple Safari.

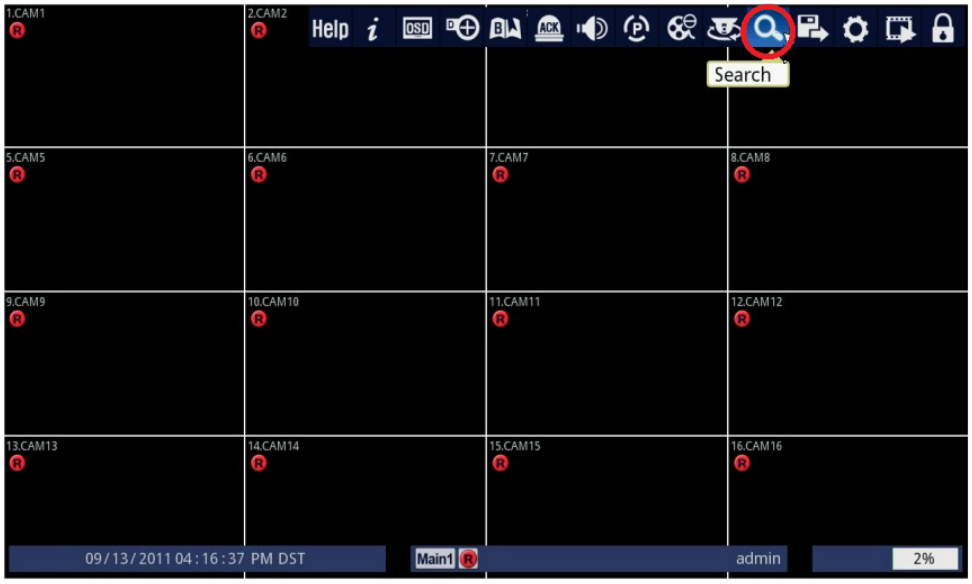
Tip 1: When the NVR is connected and configured to connect to public internet, it will display unique address such as http://hostname.nuvicoconnect.com:7000

Tip 2: For example: http://u123432.nuvicoconnect.com:7000 can be typed into any web browser and the user can view/playback the videos from the NVR via the web browser.

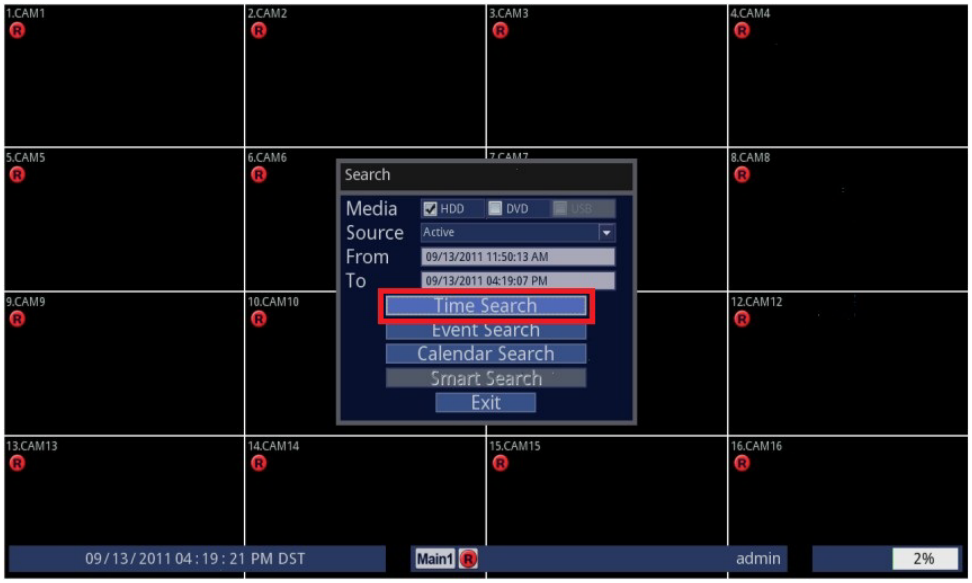
6. Save and exit out to the Live screen.

HOW TO SEARCH FOR VIDEO USING “TIME SEARCH” METHOD

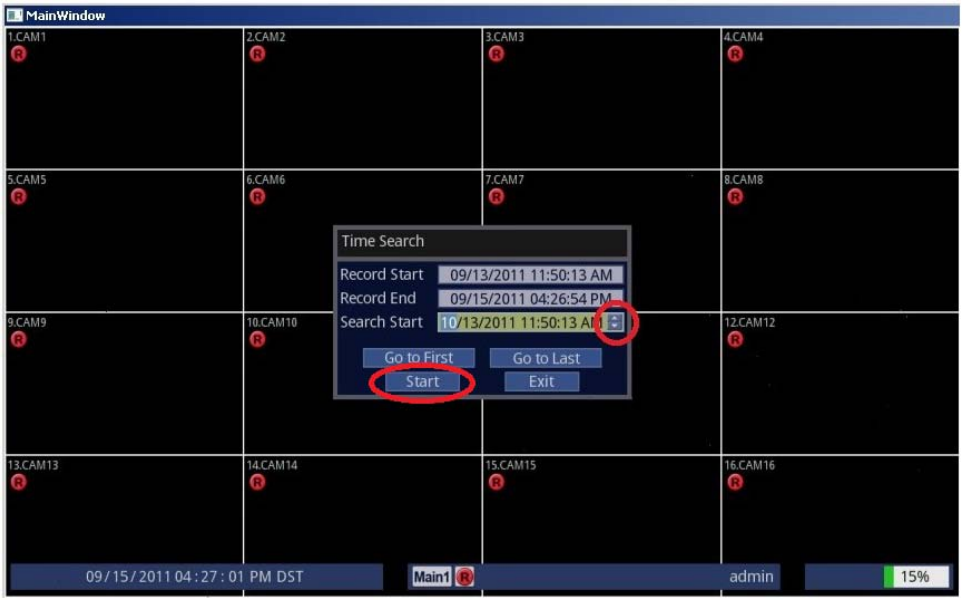
1. Follow the instructions below.
    - Using Mouse: Click on the [Search] icon.



2. Select Time Search.
    - Using Mouse: Click on the [Time Search] icon.



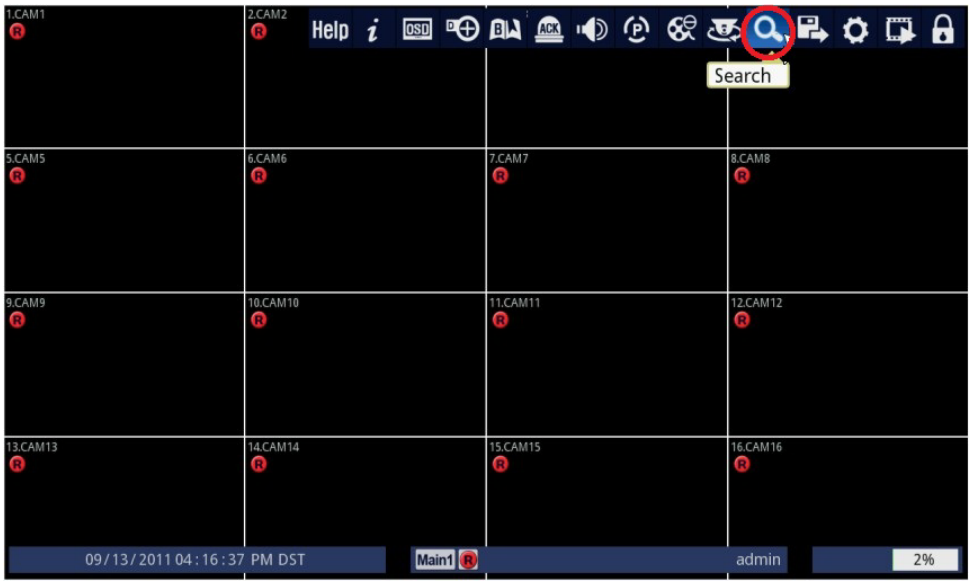
3. Enter your desired Date and Time.
   - Using Mouse: Click on the desired group such as Month/Day/Year/Hour/Minute/Second and click on the [▲] [▼] part of the screen to change the value. Then, highlight and click on [Start]. Your desired video will start playing.



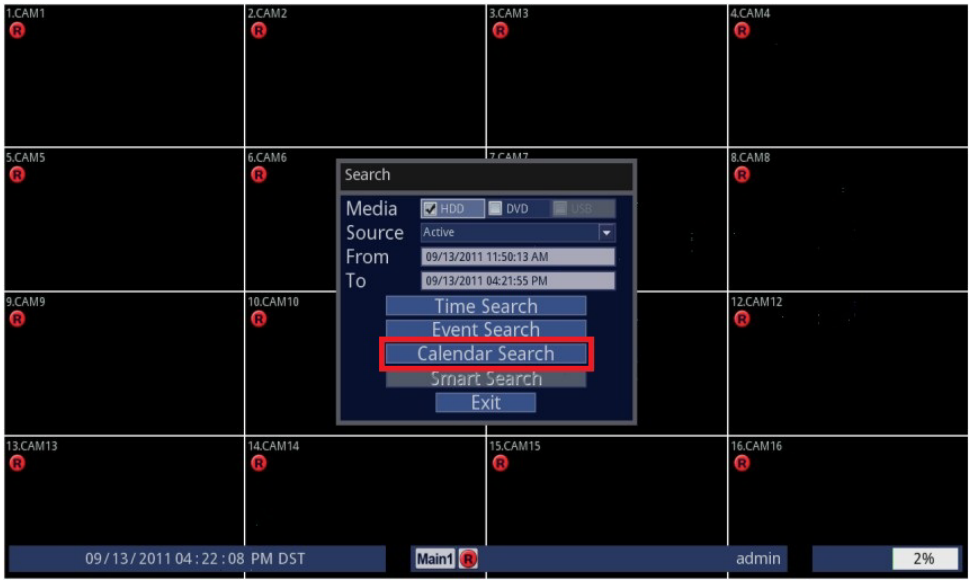
4. To exit out to the Live screen.
   - Using Mouse: Right click on your mouse twice.

HOW TO SEARCH FOR VIDEO USING “CALENDAR SEARCH” METHOD

1. Follow the instructions below.
    - Using Mouse: Click on the [Search] icon.



2. Select Calendar Search.
    - Using Mouse: Click on the [Calendar Search] icon.



3.Select Year, then Month, and Finally the day of the month.

- Using Mouse: Click on either the Year/Date or Day and change to the desired value.

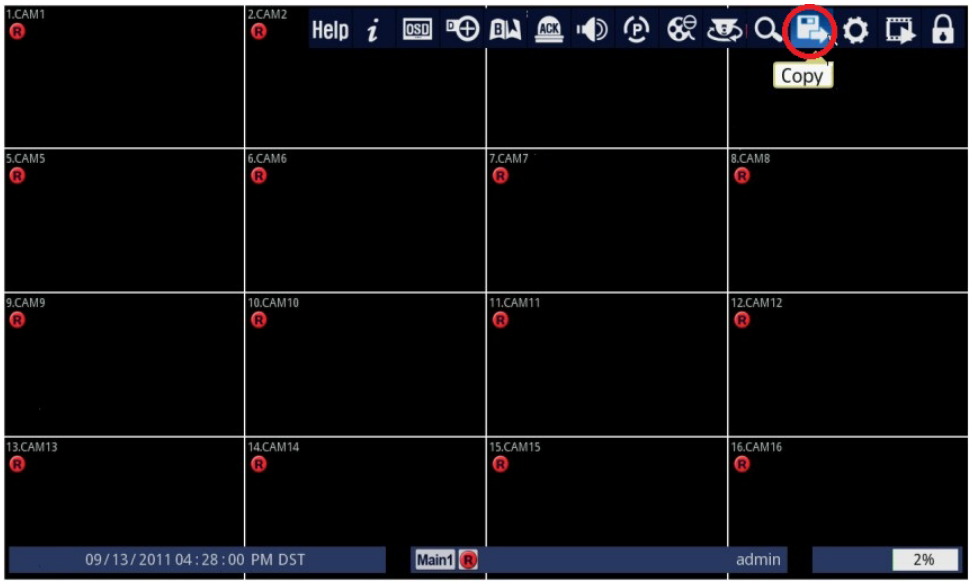
4.Select your desired time of the day.

- Using Mouse: Click on the desired time of the day. Your desired video will start playing.

5. To exit out to the Live screen.
    - Using Mouse: Click on the X (Close).

HOW TO COPY VIDEOS INTO CD/DVD/USB

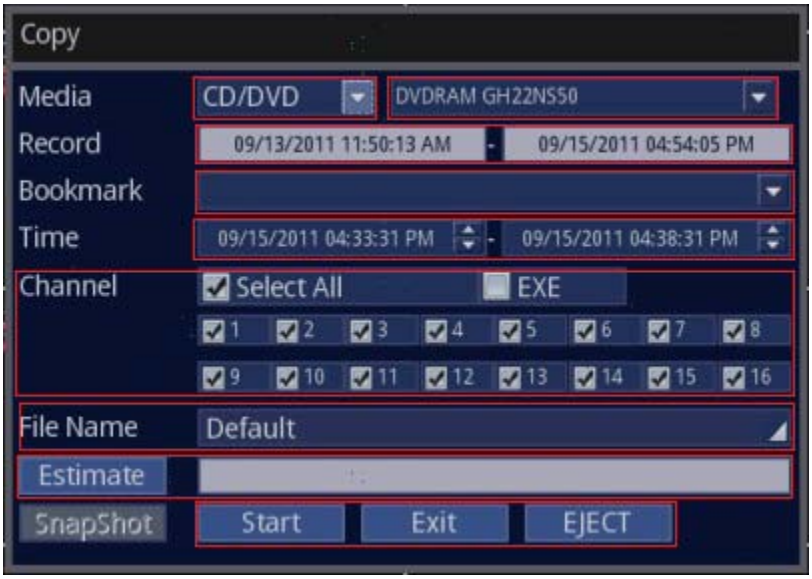
1. Follow the instructions below.
    - Using Mouse: Click on the [Copy] icon.



HOW TO COPY VIDEOS INTO CD/DVD/USB

2. Set your desired video copy parameters.

• Using Mouse: Click on the different parameters and click to change the value. Values below can be changed.



Media: CD/DVD or USB or USB(MP4). USB(MP4) is a industry standardized video file where it can be played in Quick Time or VLC Player. Also, since there can be more than one similar devices connected to the NVR, you can also choose which device to use, which is located on the right side of media selection.

Record: **Informational purpose only.** This section displays the earliest recording date/time to the latest recording time that are present on the NVR.

Bookmark: During playback of video, user could have bookmarked certain section. If it was bookmarked, the lists will show up here.

Time: Enter your desired start and the end time of your video to be copied.

Channel: By factory default, "Select All" is checked, therefore, all the channels or cameras will be copied. However, should you want to copy only the specific cameras, you can unselect "Select All" and check only the cameras that you desire to be copied.

NOTE: When "EXE" is checked, NVR will make self executable file where it can be played on any PC without the need of installing NUVICO player software to view the file. Extremely useful if you want to give the copied video to law enforcement and etc.

File Name: By factory default, the file name will be start date/time of the video. Should you want to customize the file name, you can enter it here.

Estimate: If you are unsure about the file size outcome, you can click on "Estimate" and the NVR will estimate the total size of the copied file for you.

Start/Exit/EJECT: When all the values are entered, you can either Start the copying process, Exit the copying process. If you doing CD/DVD copying, you can choose "EJECT" to open the tray to insert blank media.

IMPORTANT NOTE: CD-R or DVD-R mediums only. No RW or + of any kind.

3. To exit out to the Live screen.

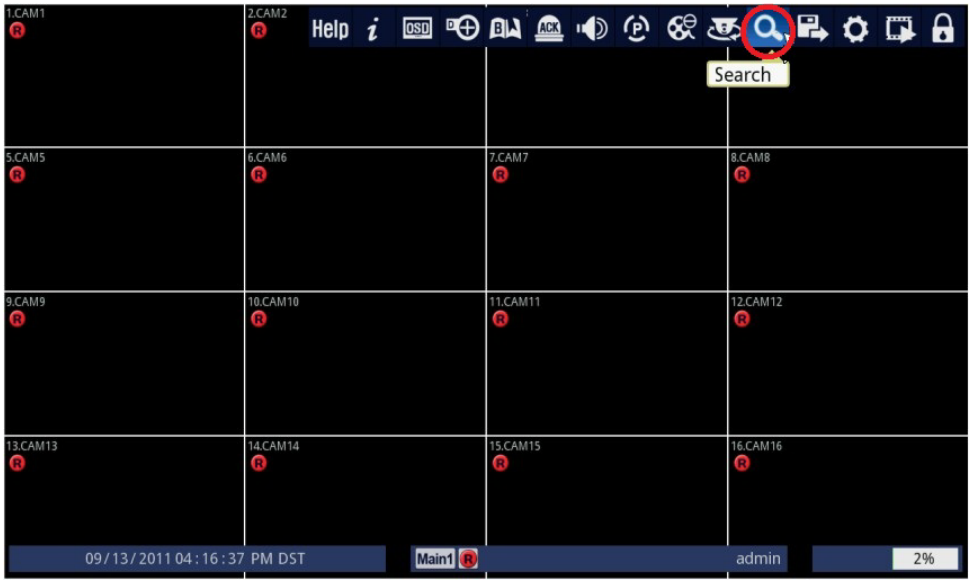
• Using Mouse: Right click on your mouse twice.

HOW TO VIEW COPIED VIDEO

1. Insert the copied medium such CD/DVD or USB Thumbdrive into the NVR.

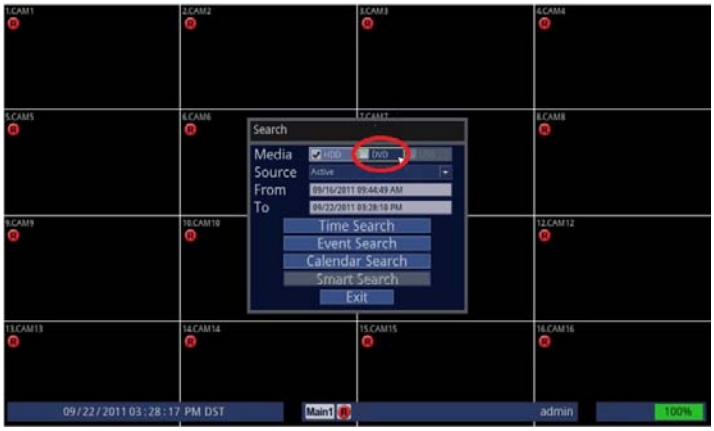
2. Follow the instructions below.

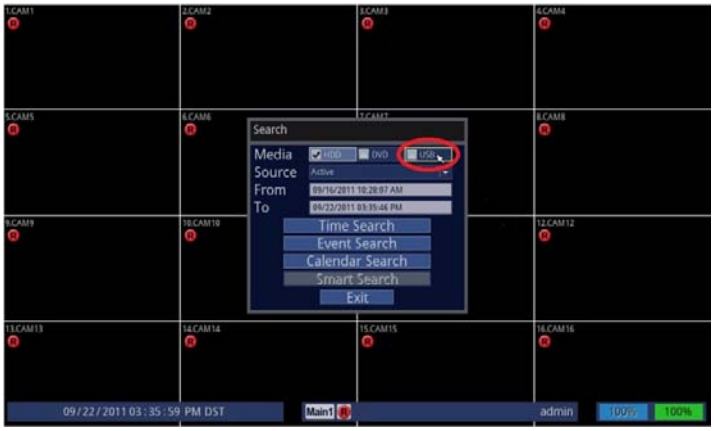
- Using Mouse: Click on the [Search] icon.



3. Choose your desired medium such as DVD or USB.

- Using Mouse: Click on either DVD or USB.

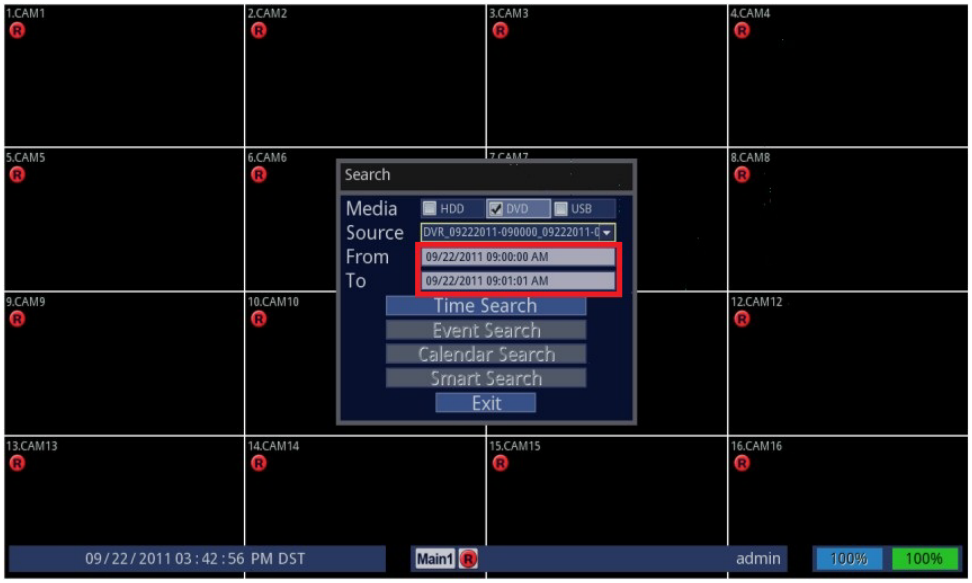




HOW TO VIEW COPIED VIDEO

4.NVR will search for video from your desired medium.

5. NVR will display videos that are available on your desired medium.



6. Follow Time Search method that is explained on pages above.

NUVICO

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